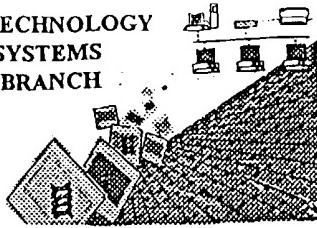


BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/018,929B
Source: IFW16
Date Processed by STIC: 8/6/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 571-272-2510; FAX: 571-273-0221

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<http://www.uspto.gov/web/offices/pac/checker/chkrnote.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<http://www.uspto.gov/ebc/efs/downloads/documents.htm>), EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry, Federal Express, United Parcel Service, or other delivery service (EFFECTIVE 06/05/04): U.S. Patent and Trademark Office, 220 20th Street S., Customer Window, Mail Stop Sequence, Crystal Plaza Two, Lobby, Room 1B03, Arlington, VA 22202

Revised 05/17/04



IFW16

RAW SEQUENCE LISTING

DATE: 08/06/2004

PATENT APPLICATION: US/10/018,929B

TIME: 11:19:55

Input Set : A:\Second Corrected Sequence Listing 5-2002.txt
 Output Set: N:\CRF4\08062004\J018929B.raw

4 <110> APPLICANT: Novartis AG
 5 Novartis Research Foundation
 7 <120> TITLE OF INVENTION: Gene involved in epigenetic gene silencing
 9 <130> FILE REFERENCE: S-31005A
 C--> 11 <140> CURRENT APPLICATION NUMBER: US/10/018,929B
 C--> 12 <141> CURRENT FILING DATE: 2001-12-21
 14 <150> PRIOR APPLICATION NUMBER: GB 9914623.5
 15 <151> PRIOR FILING DATE: 1999-06-23
 E--> 17 <160> NUMBER OF SEQ ID NOS: (33) 34 (see below) 1-2
 19 <170> SOFTWARE: PatentIn Ver. 2.1
*Does Not Comply
Corrected Diskette Needed*

ERRORED SEQUENCES

1641 <210> SEQ ID NO: 34 last sequence in submitted file
 1642 <211> LENGTH: 8
 1643 <212> TYPE: PRT
 1644 <213> ORGANISM: Artificial Sequence
 1646 <220> FEATURE:
 1647 <222> LOCATION: 1..8
 1648 <223> OTHER INFORMATION: ATP/GTP-binding motif A consensus sequence
 1650 <220> FEATURE:
 1651 <222> LOCATION: 1
 1652 <223> OTHER INFORMATION: Xaa= Ala or Gly
 1654 <220> FEATURE:
 1655 <222> LOCATION: 2..5 (give correct location)
 1656 <223> OTHER INFORMATION: Xaa= any amino acid
 1658 <220> FEATURE:
 1659 <222> LOCATION: 8
 1660 <223> OTHER INFORMATION: Xaa= Ser or Thr
 1662 <400> SEQUENCE: 34
 N--> 1663 Xaa Xaa Xaa Xaa Gly Lys Xaa
 E--> 1664 1 .. 5.

10 15
 delete - do not include these
 amino acid numbers if no
 amino acid is above them.

VARIABLE LOCATION SUMMARY
PATENT APPLICATION: US/10/018,929B

DATE: 08/06/2004
TIME: 11:19:56

FYI
Input Set : A:\Second Corrected Sequence Listing 5-2002.txt
Output Set: N:\CRF4\08062004\J018929B.raw

use of n's or Xaa's(NEW RULES) :

use of n's and/or Xaa's have been detected in the Sequence Listing.

use of <220> to <223> is MANDATORY if n's or Xaa's are present.

In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.

eq#:7; N Pos. 1
eq#:8; N Pos. 1,11
eq#:9; N Pos. 5,10,13
eq#:10; N Pos. 6,13
eq#:11; N Pos. 11,13
eq#:12; N Pos. 4,8,13
eq#:13; N Pos. 6,8,13
eq#:26; N Pos. 10,11
eq#:34; Xaa Pos. 1,2,3,4,5,8

VERIFICATION SUMMARY DATE: 08/06/2004
PATENT APPLICATION: US/10/018,929B TIME: 11:19:56

Input Set : A:\Second Corrected Sequence Listing 5-2002.txt
Output Set: N:\CRF4\08062004\J018929B.raw

11 M:270 C: Current Application Number differs, Replaced Application Number
12 M:271 C: Current Filing Date differs, Replaced Current Filing Date
1243 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:7
1243 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:7
1243 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:7 after pos.:0
1257 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:8
1257 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:8
1257 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:8 after pos.:0
1271 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:9
1271 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:9
1271 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:9 after pos.:0
1285 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:10
1285 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:10
1285 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:10 after pos.:0
1299 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:11
1299 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:11
1299 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11 after pos.:0
1313 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:12
1313 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:12
1313 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12 after pos.:0
1327 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:13
1327 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:13
1327 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:13 after pos.:0
1496 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:26
1496 M:258 W: Mandatory Feature missing, <222> Tag not found for SEQ ID#:26
1496 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26 after pos.:0
1663 M:258 W: Mandatory Feature missing, <221> Tag not found for SEQ ID#:34
1663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:34 after pos.:0
1664 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:34
17 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (33) Counted (34)